

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-319909

(43)Date of publication of application : 04.12.1998

(51)Int.Cl. G09G 3/30
// G09G 3/36

(21)Application number : 09-148719

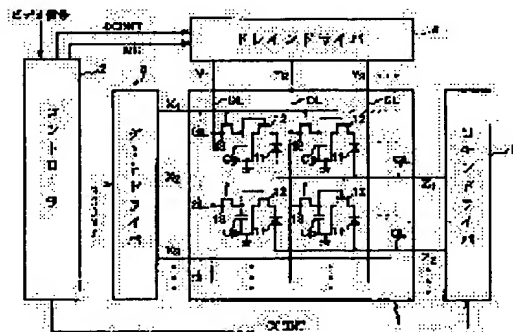
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(22)Date of filing : 22.05.1997

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SHIOTANI MASAHARU**(54) DISPLAY DEVICE AND DRIVING METHOD THEREFOR****(57)Abstract:**

PROBLEM TO BE SOLVED: To obtain uniform light emission quantity for each pixel and each panel and to improve picture definition.

SOLUTION: A controller 2 stores a binary picture signal in one frame unit. The controller 2 divides one frame into plural sub-frames showing a picture to be displayed in two-level picture data based on values of each digit of a picture signal of stored one frame. This two-level picture data for each sub-frame is written in a capacitor C_p from a drain driver 4 for each line. When the picture data is '1', a transistor for driving 12 is turned on. A common driver 5 applies voltage of the prescribed level for each sub-frame, and controls voltage applied between electrodes of an organic EL element 11. Thereby, the organic EL element 11 emits light with different brightness for each sub-frame. Pictures of each sub-frame are synthesized visibly, and gradation in one frame is expressed.

**LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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